

#6



PCT09

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/914,146

DATE: 03/05/2002

TIME: 13:52:09

Input Set : A:\13687-002001.TXT

Output Set: N:\CRF3\03052002\I914146.raw

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4 <110> APPLICANT: Vainstein, Alexander
5   Ovadis, Marianna
6   Zuker, Amir
7 <120> TITLE OF INVENTION: TRANSGENIC PLANTS AND METHOD FOR
8   TRANSFORMING CARNATIONS
9 <130> FILE REFERENCE: 13687-002001
10 <140> CURRENT APPLICATION NUMBER: 09/914,146
11 <141> CURRENT FILING DATE: 2001-08-22
12 <150> PRIOR APPLICATION NUMBER: 60/121,239
13 <151> PRIOR FILING DATE: 1999-02-22
14 <150> PRIOR APPLICATION NUMBER: PCT/IL00/00110
15 <151> PRIOR FILING DATE: 2000-02-22
16 <160> NUMBER OF SEQ ID NOS: 11
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 987
20 <212> TYPE: DNA
21 <213> ORGANISM: Agrobacterium rhizogenes
22 <400> SEQUENCE: 1
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24 agcgatgagc tagctagaca catgaagaac gcctcaaag agcgtaaacc cttgatcgag      120
25 ccgggtgaga atcaatcgat ggatattgac gaagaaggag ggtcgggtgg ccacgggctg      180
26 ctgtacctct acgtcgactg cccgacgatg atgctctgct tctatggagg gtccttgcc      240
27 tacaattgga tgcaaggcgc actcctcacc aaccttcccc cgtaccagca tgatgtgact      300
28 ctcgatgagg tcaatagagg gctcaggcaa gcatcagggt ttttcgggta cgcggatcct      360
29 atgctggagc cctacttcgc tgcattttct ttccctgggc gtgtcatcaa gctgaatgag      420
30 cagatggagc taacttcgac aaagggaag tgtctgacat tcgacctcta tgccagcacc      480
31 cagcttaggt tcgaacctgg tgagttggtg aggcattggc agtgcaagtt tgcaatcggc      540
32 taatggttag tcgatgggct gacgagtttg atgtcaggag aagctgagtg tgtcacttgt      600
33 ttccctttta gaagtattaa tgtaataaaa atcaagatct ggtttaataa ctggatactt      660
34 gatttcacgc cgtttttttt gaataaatgt ttgttgtctt gactttaaga tatcctttga      720
35 aatttgcggt attcgtatct cgttttttgt tatttccaaa agactttgct cagtaagatc      780
36 aaacggttgt atttctccgc gccacaatat ttgacctata tgcactggcc cagcgccgcg      840
37 aatagatgaa aattgcaaaa attagctatc ggtcttctga aaagaagggc cgacatgttt      900
38 tcatagacca tgcaaaagtc tactacctga aactgataaa taacgacaaa gaaagtagcc      960
39 tattttaaag tcgctatagc atgaattt          987
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 1360
42 <212> TYPE: DNA
43 <213> ORGANISM: Dianthus caryophyllus
44 <400> SEQUENCE: 2
45 actatatctt aaatattcac aacattataa cataagcttc aaaataacat tattccgata      60
46 tttaacgtaat ataatacgta tcatattagg gtacattcat tttatcaact acgactgcat      120

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58 attgttagac agtctcatat atacgcataa aaaatggtcg ctgaaaaacc caaaacgctc 180
59 acttcactag aaggggacga taaattgaac tcgaattttg ttagggacga ggatgaacgt 240
60 ccgaaagtgg cgtataatga gtttagcaat gatattccgg tgatatctct tgctggtata 300
61 gatggtgaaa aaaggggtga aatatgtcgg aagattgttg aggcgtgtga agattggggg 360
62 atttttcaag tggttgatca cgggtgttgg gacgatctta ttgctgatat gactcgggtg 420
63 gctcgtgaat ttttcgctct cccggcagaa gagaagctcc gatttgatat gtctggtggt 480
64 aaaaagggcg gttttatcgt gtcgagtcac cttcaggttc aatcaacagg gagaagtagt 540
65 gcaggactgg agggaaatcg tgacgtattt ctcataccgg acgaactcaa gggactacac 600
66 aagatggcca gacaaaccag agggttggat aaaggtcaca gaggaataca gcaacaagtt 660
67 aatgacctta gcatgtacac ttttaggtgt actttctgaa gccatgggtt tagaattaga 720
68 ggcacttact aaagcttgtg ttgatatgga caaaagatt gtggttaatt actaccctaa 780
69 gtgcctcaa cctgacctta ctttagggct caagaggcac accgaccccg ggactataac 840
70 cctcctcctt caggaccaag tcggcggctc tcaggccact cgtgacgggtg gtaaaacttg 900
71 gattaccgtg cagccggttc ccggtgcctt cgttggttaac cttggtgatc atggtcatgt 960
72 tcggcgaaaa atggcacaag accttgagat cgcccgctcat aagaggcttg ctaaagagga 1020
73 aatgcctttt aaagagttgg acgaggccaa gtttgagtcc aaatctattg accaaatact 1080
74 tgcttagatg ggcttggttt ggtttcatta tattaattt attattatta ttatttattg 1140
75 catttgatat gatatgattg gaaataaaag agagattggt tgtgataatt tgtgtgatta 1200
76 ttatatcact aagtattggc tttaatttgt ggtatgttgg gaattatata ttagttttgg 1260
77 tgtgaagaat atatgattta aagttaaaaa aaaaaatgat ttgttatatg atttacttgt 1320
78 aaggttataa ggttatattt attgttcgag tttgcgtata 1360
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82 <212> TYPE: DNA
83 <213> ORGANISM: Dianthus caryophyllus
84 <400> SEQUENCE: 3
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87 actctttaaa aggcatttcc tctttagcaa gcctcttatg acgggcgatc tcaagggtctt 120
88 tggccatttt tcgccgaaca tgaccatgat caccaagggt aacaacgaag gcaccgggaa 180
89 ccggctgcac ggtaatccaa gttttaccac cgtcacgagt ggccctgaaga ccgccgactt 240
90 ggtcctgaag gaggagggtt atagtcccg ggtcgggtgtg cctcttgagc cctaaagtaa 300
91 ggtcagggtt agggcactta gggtagtaat taaccacaat cttttggtcc atatcaacac 360
92 aagctttagt aagtcctct aattctaaac ccattgcttc agaaagtaca cctaaaagtg 420
93 tacatgctaa ggtcattaac ttgttgctgt attcctctgt gacctttatc caaccctctg 480
94 gtttgtctgg ccattctgtg tagtcccttg agttcgtcgg gtatgagaaa tacgtcacga 540
95 tttccctcca gtcctgcact acttctccct gttgattgaa cctgaagatg actcgacacg 600
96 ataaaaccgc cctttttacc accagacata tcaaatcgga gcttctcttc tgccgggaga 660
97 gcgaaaaatt cacgagccaa ccgagtcata tcagcaataa gatcgtcacc aacaccgtga 720
98 tcaaccactt gaaaaatccc ccaatcttca cagcctcaa caatcttccg acatatttca 780
99 cccctttttt caccatctat accagcaaga gatatccag gaatatcatt gctaaactca 840
100 ttatacgcca ctttcggacg ttcattctcg tccctaacaa aattcgagtt caatttatcg 900
101 tccctttcta gtgaagtgg cgttttggg 929
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104 <211> LENGTH: 20
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Synthetically generated primer
111 <400> SEQUENCE: 4

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115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Synthetically generated primer
122 <400> SEQUENCE: 5
123 aatctcgtga tggcagggtg                                20
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 20
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Synthetically generated primer
133 <400> SEQUENCE: 6
134 cccaaaacgc tcacttcact                                20
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 20
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Synthetically generated primer
144 <400> SEQUENCE: 7
145 ccaagcccat ctaagcaagt                                20
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148 <211> LENGTH: 22
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Synthetically generated primer
155 <400> SEQUENCE: 8
156 gggccgatgg tcctgctact at                             22
158 <210> SEQ ID NO: 9
159 <211> LENGTH: 22
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Synthetically generated primer
166 <400> SEQUENCE: 9
167 acgcgctcga catgttccca aa                             22
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 20
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Synthetically generated primer
177 <400> SEQUENCE: 10
178 tgtgaatgtc gaagcgactc                                20

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182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Synthetically generated primer
188 <400> SEQUENCE: 11
189 ttgaatttgg tggggacatt

20

03052002 914146

VERIFICATION SUMMARY

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0914146.012902